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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,751	10/16/2003	Michael R. Furst	A2484K-US-NP XERZ 2 01274	8683
62095 7590 04/13/2009 FAY SHARPE / XEROX - ROCHESTER 1228 EUCLID AVENUE, 5TH FLOOR THE HALLE BUILDING CLEVELAND, OH 44115			EXAMINER ESKANDARNIA, ARVIN	
			ART UNIT 2448	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/686,751	Applicant(s) FURST ET AL.	
	Examiner ARVIN ESKANDARNIA	Art Unit 2448	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 26-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 26-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>06/20/2005 and 11/13/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

This communication is responsive to the application filed on 10/16/2003.

Information Disclosure Statement filed on 06/20/2005 and 11/13/2006 has been considered by the examiner.

Claims 1-25 are cancelled.

Claims 26-44 are pending.

Specification

1. The specification is objected to because the information about the cross-references such as application numbers are missing in the cross-reference to related application section of the disclosure on the first page. This information needs to be provided correctly and completely.

2. The specification is objected to because the specification does not include the brief summary of the invention. This information needs to be provided correctly and completely.

Please refer to the content of specification provided below.

Content of Specification

- (a) Title of the Invention: See 37 CFR 1.72(a) and MPEP § 606. The title of the invention should be placed at the top of the first page of the specification unless the title is provided in an application data sheet. The title of the invention should be brief but technically accurate and descriptive, preferably from two to seven words may not contain more than 500 characters.
- (b) Cross-References to Related Applications: See 37 CFR 1.78 and MPEP § 201.11.

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- (c) Statement Regarding Federally Sponsored Research and Development: See MPEP § 310.
- (d) The Names Of The Parties To A Joint Research Agreement: See 37 CFR 1.71(g).
- (e) Incorporation-By-Reference Of Material Submitted On a Compact Disc: The specification is required to include an incorporation-by-reference of electronic documents that are to become part of the permanent United States Patent and Trademark Office records in the file of a patent application. See 37 CFR 1.52(e) and MPEP § 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text were permitted as electronic documents on compact discs beginning on September 8, 2000.
- (f) Background of the Invention: See MPEP § 608.01(c). The specification should set forth the Background of the Invention in two parts:
 - (1) Field of the Invention: A statement of the field of art to which the invention pertains. This statement may include a paraphrasing of the applicable U.S. patent classification definitions of the subject matter of the claimed invention. This item may also be titled "Technical Field."
 - (2) Description of the Related Art including information disclosed under 37 CFR 1.97 and 37 CFR 1.98: A description of the related art known to the applicant and including, if applicable, references to specific related art and problems involved in the prior art which are solved by the applicant's invention. This item may also be titled "Background Art."
- (g) Brief Summary of the Invention: See MPEP § 608.01(d). A brief summary or general statement of the invention as set forth in 37 CFR 1.73. The summary is separate and distinct from the abstract and is directed toward the invention rather than the disclosure as a whole. The summary may point out the advantages of the invention or how it solves problems previously existent in the prior art (and preferably indicated in the Background of the Invention). In chemical cases it should point out in general terms the utility of the invention. If possible, the nature and gist of the invention or the inventive concept should be set forth. Objects of the invention should be treated briefly and only to the extent that they contribute to an understanding of the invention.
- (h) Brief Description of the Several Views of the Drawing(s): See MPEP § 608.01(f). A reference to and brief description of the drawing(s) as set forth in 37 CFR 1.74.
- (i) Detailed Description of the Invention: See MPEP § 608.01(g). A description of the preferred embodiment(s) of the invention as required in 37 CFR 1.71. The description should be as short and specific as is necessary to describe the

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invention adequately and accurately. Where elements or groups of elements, compounds, and processes, which are conventional and generally widely known in the field of the invention described and their exact nature or type is not necessary for an understanding and use of the invention by a person skilled in the art, they should not be described in detail. However, where particularly complicated subject matter is involved or where the elements, compounds, or processes may not be commonly or widely known in the field, the specification should refer to another patent or readily available publication which adequately describes the subject matter.

- (j) Claim or Claims: See 37 CFR 1.75 and MPEP § 608.01(m). The claim or claims must commence on separate sheet or electronic page (37 CFR 1.52(b)(3)). Where a claim sets forth a plurality of elements or steps, each element or step of the claim should be separated by a line indentation. There may be plural indentations to further segregate subcombinations or related steps. See 37 CFR 1.75 and MPEP § 608.01(i)-(p).
- (k) Abstract of the Disclosure: See MPEP § 608.01(f). A brief narrative of the disclosure as a whole in a single paragraph of 150 words or less commencing on a separate sheet following the claims. In an international application which has entered the national stage (37 CFR 1.491(b)), the applicant need not submit an abstract commencing on a separate sheet if an abstract was published with the international application under PCT Article 21. The abstract that appears on the cover page of the pamphlet published by the International Bureau (IB) of the World Intellectual Property Organization (WIPO) is the abstract that will be used by the USPTO. See MPEP § 1893.03(e).
- (l) Sequence Listing: See 37 CFR 1.821-1.825 and MPEP §§ 2421-2431. The requirement for a sequence listing applies to all sequences disclosed in a given application, whether the sequences are claimed or not. See MPEP § 2421.02.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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2. ***Claims 26-44*** are rejected under 35 U.S.C. 103(a) as being unpatentable over Goldstein US Publication No. 2004/0015559 A1 in view of Khemani et al. US Publication No. 20060015570 A1.

As per claim 26, Goldstein discloses:

- ***A system for remotely supporting a family of products even when the products are deployed in the field, the system comprising:***
- ***at least one respective unit (110) of a first product of the family of products,*** (Goldstein, Fig. 1, Ref. 15) where a electrical device or the unit as claimed is provided;
- ***an interchangeable device model (122, 123) for the first product selected from a family of device models wherein each member of the family of device models includes at least identifications of classes of information that can be communicated to and/or from the each of the products of the family of products and mappings indicating how the classes of information can be communicated to and/or from the first product,*** (Goldstein, Paragraph [0033], Lines 1-5 and 17-24) where the information about the client's device or the apparatus is provided to the representative for purpose of identification. Also based on product identifier transmitted from the apparatus, the router is configured to ensure the message from the apparatus routed or mapped as claimed to a terminal;

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- *at least one respective device model agent (120) that is operative to read the interchangeable device model and access information in the at least one respective unit and to provide information to the at least one respective unit according to the interchangeable device model and to communicate with at least one other element of the system regarding the at least one unit over at least one communications link according to terms, parameters, structures or protocols that are common to products of the family of products, regarding at least one of unit configuration parameters, unit status information, available upgrade information, selected upgrade information, selected downgrade information, available update information, requested update information, an error message, and service request information, (Goldstein, Fig. 4, Ref. 107) where the step of providing the customer service representative with information necessary to diagnose user's problem is provided. Which the said information may be the unit configuration parameters, unit status information, available upgrade information, selected upgrade information, selected downgrade information, available update information, requested update information, an error message, and service request information as claimed;*
- *a services host server (310) that is operative to exchange information with the at least one respective device model agent over the at least one communications link, the exchanged information including at least one of: the unit configuration parameters, the unit status information, the available upgrade information, the selected the upgrade information, the selected downgrade*

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information, the available update information, the requested update information, the error message, and the service request information, (Goldstein, Fig. 1, Ref. 55 and paragraph [0033], Lines 1-5) where the customer service system is provided which can be the services host server as claimed. Also the information necessary for the server to identify the client's device such as the model number or other information that may be the unit configuration parameters, the unit status information, the available upgrade information, the selected the upgrade information, the selected downgrade information, the available update information, the requested update information, the error message, and the service request information as claimed is provided.

As per claim 27, claim 26 is incorporated and further Goldstein discloses:

- *at least one respective second unit (110) of a second product of the family of products,* (Goldstein, Fig. 1, Ref. 15);
- *a second interchangeable device model (122) for the second product selected from the family of device models wherein the second interchangeable device model includes mappings indicating how the*

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classes of information can be communicated to and/or from the second product, (Goldstein, Paragraph [0033], 17-24);

- *at least one respective copy of the device model agent (120) that is operative to read the second interchangeable device model and access information in the at least one second respective unit of the second product and to provide information to the at least one respective unit of a second product according to the second interchangeable device model and to communicate with the services host regarding the at least one unit over at least one communications link according to the terms, parameters, structures or protocols that are common to products of the family of products, regarding at least one of second unit configuration parameters, second unit status information, available second unit upgrade information, selected second unit upgrade information, selected second unit downgrade information, available second unit update information, requested second unit update information, an error message regarding the second unit, and service request information regarding the second unit, (Goldstein, Fig. 1, Ref. 55 and paragraph [0033], Lines 1-5) where the customer service system is provided which can be the services host server as claimed. Also the information necessary for the server to identify the client's device such as the model number or other information that may be the unit configuration parameters, the unit*

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status information, the available upgrade information, the selected the upgrade information, the selected downgrade information, the available update information, the requested update information, the error message, and the service request information as claimed is provided.

As per claim 28, claim 26 is incorporated and further Goldstein discloses:

- *at least one services provider (300) that is operative to exchange information with the services host server over at least one communications link and to provide at least one of: updated software, software upgrades, billing services, maintenance services and repair services for the at least unit according to at least one of: the unit status information, the selected upgrade information, the requested update information, the error message and the service request information received from the at least one unit, (Goldstein, Fig. 4, Ref. 107 and Paragraph [0033], Lines 1-5).*

As per claim 29, claim 26 is incorporated and further Goldstein discloses:

- *the at least one respective device model agent is at least one of: implemented as a process included in the at least one respective unit and implemented within a physical add-on module (115) that is connected to the respective at least one unit, (Goldstein, Fig. 2, Ref. 25 & 32).*

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As per claim 30, claim 26 is incorporated and further Goldstein discloses:

- *an application server (200, 310, 320) that is operative to receive application software modules from at least one services provider and make the software application modules available for transmission to and installation in the at least one respective device model agent for performing new services in conjunction with the at least one respective unit, (Goldstein, Fig. 1, Ref. 52a-52e and Fig. 3, Ref. 52).*

As per claim 32, claim 30 is incorporated and further Goldstein discloses:

- *at least on of: the respective at least one unit, the services host server and the application server further comprise: an application programming interface (130, 230, 330) that is operative to determine which means of communications are available to the application programming interface, to select one or more communication means from the available communications means for communicating with at least one other system element, and to communicate with the at least one other system element according to one or more protocol that is appropriate to the one or more selected communications means, (Goldstein, Paragraph [0028], Lines 16-20).*

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As per claim 33, claim 30 is incorporated and further Goldstein discloses:

- *the application programming interface supports communication via at least HTTP, HTTPS, JMS, email, 10BaseT, 100BaseT, 10Base2, Modem, IEEE 802.11X, and Bluetooth, protocols, (Goldstein, Paragraph [0041], Lines 4-5).*

As per claim 34, claim 26 is incorporated and further Goldstein discloses:

- *the device model agent is further operative to at least one of: add a new service received from an applications server to the device model agent, start a service running and stop a service, (Goldstein, Paragraph [0047], Lines 5-10).*

As per claim 34, claim 26 is incorporated and further Goldstein discloses:

- *the at least one respective unit comprises: an image processing device, (Goldstein, Fig. 2, Ref. 32).*

As per claim 31, Goldstein does not specifically disclose:

- *at least one of the at least one respective device model agent is at least one of: implemented as a device proxy (210) and implemented in a device proxy within in the applications server.*

However, Khemani teaches:

- ***at least one of the at least one respective device model agent is at least one of: implemented as a device proxy (210) and implemented in a device proxy within in the applications server,*** (Khemani, paragraph [0034], Lines 3-9) where it is suggested that the appliance or the any device may be configured to act as a proxy SSL endpoint for a server,
- Therefore, it would have been obvious to one of the ordinary skilled in the art at the time that the invention was made to incorporate the teaching of Khemani into the teaching of Goldstein and one of the ordinary skilled in the art would be motivated to be able to configure and/or implement a device as a proxy for the server.

Claims 36-44 are system claims corresponding to system claims 26-34 respectively and are rejected under the same reason set forth as the rejection of claims 26-34 above.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See form 892.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to ARVIN ESKANDARNIA whose telephone number is (571) 270-3205. The examiner can normally be reached on Monday - Thursday, 8:00AM-6:00PM (EST),.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Backer can be reached on (571) 272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ARVIN ESKANDARNIA/
Patent Examiner, Art Unit 2448
Date: April 13, 2009

/FIRMIN BACKER/

Supervisory Patent Examiner, Art Unit 2448